

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 044342-1214 - Rear Differential

Sample No: LH0241975

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0241975	LH0240762	LH0185820	LH0170571
Sample Date	31 Oct 2023	23 Feb 2023	18 Dec 2020	04 May 2020
Machine Hours	9534	8090	4004	3010
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Yard At A Time Concrete (1988) Ltd.
 8155-92nd Street
 Delta, BC
 CA V4G 0A4
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	178	183	193	187

T:
F:



CONTAMINATION

Element	ppm	1	<1	1	1
Silicon	ppm	1	<1	1	1
Sodium	ppm	2	3	3	1
Potassium	ppm	0	<1	0	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Element	ppm	31	30	43	71
Iron	ppm	31	30	43	71
Copper	ppm	4	2	3	4
Lead	ppm	0	0	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	1	2	2	3
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	<1	1	2	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	30	1	1	1
Calcium	ppm	30	1	1	1
Magnesium	ppm	<1	0	<1	0
Zinc	ppm	14	4	2	4
Phosphorus	ppm	2333	2439	2251	2420
Barium	ppm	<1	0	<1	<1
Boron	ppm	2	2	2	12

Depot: YARDEL
Unique No: 5671388
Signed: Wes Davis
Report Date: 06 Nov 2023



GRAPHS

